

**GROUND WATER SURVEY CONSULTANCY**  
**GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS**

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-B-316

Date:- 02-05-2023

**NAME OF SITE**

GRAM PANCHAYAT- Sisora Sisori      BLOCK- Banda      DISTT- Shahjahanpur

**NAME OF AGENCY**

M/s NCC Ltd.  
Shahjahanpur



**GROUND WATER SURVEY CONSULTANCY**

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy

U. T. Agra

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SISORA SISORI, BLOCK- BANDA,  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 02.May.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 25	15	Fine to Medium sand	Good
4.	25 - 30	5	Clay kankar	
5.	30 - 38	8	Medium sand	Good
6.	38 - 40	2	Clay kankar	
7.	40 - 45	5	Kankar	
8.	45 - 52	7	Clay kankar	
9.	52 - 60*	8	Medium sand	Good
10.	60 - 63	3	Kankar	
11.	63 - 71*	8	Medium sand	Good
12.	71 - 78	7	Clay kankar	
13.	78 - 86*	8	Medium sand	Good
14.	86 - 95	9	Clay kankar	
15.	95 - 105*	10	Medium sand	Good
16.	105 - 108	3	Clay kankar	
17.	108 - 118*	10	Medium sand	Good
18.	118 - 122	4	Clay kankar	
19.	122 - 130*	8	Medium sand	Good

**Conclusions and Recommendations :-**

1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (\*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Good.
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.

**Geophysicist**



**Ground Water Survey Consultancy**

Rho a  
N16(SN)  
N64(LN)  
LAT

Logging Details:

VI-3000 Geod. Equip.  
Bentley DTM-3000 Processor  
GSI LOGS/11/05  
02/14/2013  
11:12  
Instruments (GSI)

Logger S/N No.  
IGIS/S/02/22-23

Logger Model:  
SP (m V)

Logger Contact for:  
GROUND WATER  
SURVEY  
CONSULTANCY  
AGRA, UP, INDIA

